

REMARKS

Claims 95 has been amended to remove the language which has been objected to by the Examiner on the basis of new matter as discussed in the Advisory Action mailed March 25, 2002.

Attached hereto is a marked-up version of the changes to the claim by the current amendment. The attached page is captioned "Version with markings to show changes made."

Reconsideration and allowance is now solicited.

Respectfully submitted,

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42. (Amended) A method of making an array of oligonucleotides, which comprises attaching oligonucleotides to a surface of a support, the oligonucleotides having different predetermined sequences and the oligonucleotides being attached at between 72 and 1.1×10^{12} different known locations on the surface of the support.

78. (Amended) The method of claim 63, 64 or 68, wherein hybridizations are detected by means of a device having a resolution of between $1 \mu\text{m}$ and $25 \mu\text{m}$.

^{Twice}
95. (Amended) A method for analysing multiple sequence variants in multiple polynucleotides, which comprises:

- a) laying down stripes of oligonucleotides corresponding to each sequence variant on the surface of a solid support,
- b) applying the polynucleotides to the surface under hybridisation conditions in stripes orthogonal to those of the oligonucleotides, and
- c) observing hybridisation at a site of intersection as an indication of the presence of a variant sequence in the polynucleotide,

wherein the stripes of oligonucleotides have a width of 1 mm or less and the polynucleotides are applied in orthogonal stripes 5 mm wide.

97. (Amended) A kit for analysing a polynucleotide comprising: an array of oligonucleotides comprising a support having a surface to which the oligonucleotides are attached, wherein oligonucleotides having different nucleotide sequences are attached at between 72 and 1.1×10^{12} different known locations on the surface of the support; apparatus for hybridisation of the polynucleotide to the array; and a scanner for detecting hybridisation.